

COMMONWEALTH OF MASSACHUSETTS

NORFOLK, SS.

SUPERIOR COURT DEPARTMENT  
OF THE TRIAL COURT

\* \* \* \* \*

COMMONWEALTH OF MASSACHUSETTS,

v.

KAREN READ.

\* \* \* \* \*

\* Docket No. 2282CR00117

BEFORE THE HONORABLE BEVERLY CANNONE  
FRIDAY, JUNE 21, 2024  
TESTIMONY OF MARIE RUSSELL

APPEARANCES:

For the Commonwealth:

BY: ADAM LALLY, A.D.A.  
LAURA MCLAUGHLIN, A.D.A.

For the defendant:

BY: DAVID YANNETTI, ESQ.  
ALAN JACKSON, ESQ.  
ELIZABETH LITTLE, ESQ.

Dedham, Massachusetts  
Room 25

Christine D. Blankenship, CVR  
Court Reporter/Transcriber

*\*With Sidebar*

I N D E X

| WITNESS: | DIRECT | CROSS | REDIRECT | RECROSS |
|----------|--------|-------|----------|---------|
|----------|--------|-------|----------|---------|

|                  |   |    |    |  |
|------------------|---|----|----|--|
| Marie Russell    |   |    |    |  |
| (By Mr. Jackson) | 3 |    | 43 |  |
| (By Mr. Lally)   |   | 24 |    |  |

Exhibits:

None

1 (Court in session.)

2 (Defendant is present with counsel.)

3 (Jury in.)

4 MARIE RUSSELL, sworn

5 THE COURT: All right. Whenever you're ready, Mr.  
6 Jackson.

7 MR. JACKSON: Thank you, Your Honor.

8 **DIRECT EXAMINATION**

9 **BY MR. JACKSON:**

10 Q Dr. Russell, could you please get a loud, clear voice,  
11 state your name and spell your last name for us, please.

12 A Hi. Dr. Marie Russell, R-U-S-S-E-L-L.

13 Q Doctor, what do you do for a living?

14 A I'm an emergency room forensic pathologist, just  
15 recently retired.

16 Q And prior to retirement, what was your position?

17 A The immediate position just recent before retirement  
18 was chief medical executive at the -- for the state of  
19 California at the Cochrane State Prison.

20 THE COURT: Dr. Russell, I'm going to ask you to keep  
21 your voice up. Okay?

22 Q And please --

23 THE WITNESS: Yes.

24 Q There's a couple of air conditioners in here. Just keep  
25 your voice as loud as possible.

1       What is, in fact, an emergency physician?

2   A     Emergency physician is a medical specialist who has  
3   completed a residency, intern, internship, residency,  
4   residency in the field of emergency medicine, which is a  
5   field which involves taking care of patients that are sick  
6   or injured and go to the emergency room.

7   Q     Can you tell us what your education - starting with  
8   your education - your education, training, and background  
9   is that qualifies you as an emergency physician, starting  
10  with your education all the way back to college?

11  A     Okay. Well, I completed at least sixteen years of  
12  formal education beyond high school, which includes college  
13  and then four years of medical school, and four years of  
14  emergency medicine residency and internship, and then four  
15  years of pathology residency, which includes two years  
16  anatomic and two years of forensic pathology. And then I  
17  treated -- excuse me -- I've taken a bunch of other courses  
18  and attended seminars.

19  Q     Let's start with your college. Where'd you go to  
20  college? Where'd you start?

21  A     Okay. MIT. I did my first year at MIT where I took my  
22  premed courses.

23  Q     And then what happened after that? By the way, about  
24  what year was that?

25  A     Oh, that was in 1972 to '73.

1 Q Where did you go after MIT?

2 A So -- so what happened -- what happened. I was  
3 interested in becoming a doctor, and so I took some premed  
4 courses and then subsequent to that first year, I learned  
5 that my mother had metastatic breast cancer, and so I  
6 decided to go home to New York to be with her. After that  
7 -- well, she subsequently passed away, and I returned to  
8 Massachusetts and decided to take advantage of the time off  
9 from school to investigate my interest in law enforcement.  
10 And I subsequently became a police officer here in  
11 Massachusetts. So following MIT, did you go to a police  
12 academy?

13 A I did.

14 Q Which police academy did you go to?

15 A I went to the Boston Police Academy.

16 Q And did you end up becoming a sworn officer?

17 A Yes.

18 Q For how long?

19 A I did it for seven years full time.

20 Q And what department did you work for?

21 A I worked for the city of Malden Police Department.

22 Q What years were -- was that, if you can give me a  
23 range? A From 1977 to 1984.

24 Q During the time that you were a Malden police officer,  
25 did you also go to school and continue your formal

1 education? A I did.

2 Q Describe that for us, please.

3 A Well, I took -- I took specialized courses through the  
4 Massachusetts Criminal Justice Training Council --

5 MR. LALLY: Objection. Move to strike.

6 THE COURT: All right. So I'm going to strike that.

7 MR. JACKSON: If I may?

8 THE COURT: Jurors, disregard that.

9 Q Let me ask you this way. I don't want to get into the  
10 specifics.

11 A Okay.

12 Q After -- while you were a police officer, did you also  
13 take formal education to further your medical training or  
14 your college?

15 A Yes, I did.

16 Q That's what I'm interested in.

17 A Okay.

18 Q Tell us about that.

19 A Oh, yes. So I attended Northeastern University part-  
20 time and received a bachelor of science degree in  
21 psychology.

22 Q After you got your degree in psychology from  
23 Northeastern, did you go onto continue your education in  
24 medicine?

25 A I did. I attended medical school at the University of

1 Massachusetts Medical School from 1983 to 1987.

2 Q Also known as UMass?

3 A Yes.

4 Q Did you ultimately end up with a medical degree?

5 A I did.

6 Q After you became a doctor, did you engage in a  
7 residency?

8 A Yes.

9 Q What years were the residency -- that first residency?

10 A So the first residency was from 1987 to 1991 and that  
11 was in Los Angeles at the Los Angeles County University of  
12 Southern California Medical Center.

13 Q Is that also known as LAUSC?

14 A It was at the time, yes.

15 Q And that's associated with the University of Southern  
16 California Medical Center; is that right?

17 A Yes.

18 Q After your first residency -- by the way, what was your  
19 first residency in? What was the subspecialty?

20 A So it was in emergency medicine. And USC is a very  
21 large trauma center.

22 Q How would you describe the size and volume of the USC  
23 trauma center?

24 A Well, it's one of the busiest in the United States.

25 Q After your first residency in emergency medicine, did

1 you do a second residency?

2 A Yes.

3 Q What was the subspecialty in that second residency?

4 A So I did a two years in anatomic pathology and two  
5 years as a fellow -- as a fellow in forensic pathology at  
6 the Los Angeles County Coroner's Office.

7 Q So you did two full residencies as a -- after you  
8 became a doctor; is that right?

9 A That is correct.

10 Q What's the difference -- I don't want to go into great  
11 detail, but what's the difference between an emergency  
12 physician and, for instance -- for instance, the residency  
13 that you did in pathology, both anatomic pathology and  
14 forensic pathology, what are the differences?

15 A Well, generally, the emergency physician treats live  
16 patients and the spectrum of, you know, injuries can be  
17 wide or illnesses can be wide, and the forensic pathologist  
18 treats or deals with deceased patients, generally.

19 Q Did you become a fellow at the LA coroner's office --

20 A Yes.

21 Q -- following your second residency?

22 A No, that was part of the second residency.

23 Q Understood. Describe that fellowship.

24 A So that was two years of full time work at the LA  
25 coroner's office under the supervision of very experienced



1 medical examiners. And what I did was I did autopsies every  
2 day, one or two autopsies every day, attended conferences,  
3 and read journal articles, et cetera. It was a very  
4 formalized education.

5 Q Did you also become at some point a professor or an  
6 assistant professor at LAUSC, the medical center side, the  
7 university side?

8 A Yes. So while I was doing the forensic pathology and  
9 anatomic pathology residencies during the daytime, I worked  
10 as a full time ER doc supervisor in the capacity of an  
11 assistant professor in the evenings.

12 Q Did you also become an adjunct professor at Cal State,  
13 Los Angeles, California State, Los Angeles?

14 A Yes.

15 Q Is that separate university?

16 A Yes.

17 Q And you had separate responsibilities as a professor in  
18 that role?

19 A Yes.

20 Q Were you also teaching legal medicine and forensic  
21 medicine in that capacity?

22 A That is correct. It was a master's level program.

23 Q How long were you an ER physician in total and an  
24 attending physician for Los Angeles County USC Medical  
25 Center?

1 A Twenty-nine years in total. Four of those were in  
2 training, and the rest were as a supervisor.

3 Q So of your 29 years, 25 of your 29 years, you were  
4 supervising others?

5 A Correct.

6 Q Meaning other doctors?

7 A Other doctors, yes.

8 Q And teaching other doctors?

9 A Yes.

10 Q And teaching medical students?

11 A Yes. And seeing -- seeing their cases. Once they  
12 examined the patient, they would present their case or tell  
13 me about the case, and then I would go in and see those  
14 patients in addition to my patients.

15 Q That was my next question, Doctor, in addition to  
16 teaching, were you also specifically assessing, diagnosing,  
17 and treating patients of your own?

18 A Yes --

19 Q Throughout the --

20 A Not all -- not all the time. Some shifts I didn't have  
21 to do that but most -- but much -- much of the time, yes,  
22 the bulk of the 29 years that you were an ER doc, an  
23 emergency physician in other words, were you also attending  
24 to patients as well?

25 A Yes.

1 Q All right. Once you left that fellowship with the LA  
2 coroner's office, did you remain active in any way or  
3 connected to the Los Angeles coroner's office?

4 A Yes. So I would attend their weekly conferences when I  
5 could, when I went to -- you know, when I was available to  
6 do so. And I also consulted on some cases with them. So if  
7 they had something that was interesting and beyond their  
8 clinical expertise, they would sometimes consult me.

9 Q During your tenure at LAUSC, did you become the  
10 director of any of their subprograms?

11 A Yes.

12 Q Can you describe that for the jurors, please?

13 A Yes. I was director of the USC Center for Life Support  
14 Training, so -- and that involved teaching other doctors  
15 life support courses, such as advanced cardiac life  
16 support, or that we teach the surgeons advanced trauma life  
17 support.

18 Q Did you also -- I'm sorry. Were you finished?

19 A Go ahead.

20 Q Were you also a director for their quality improvement  
21 in the early 2000s?

22 A Yes, for the emergency medicine department.

23 Q What was the reason for the quality improvement  
24 program, if you will, for LAUSC?

25 A Well, for any program, it's ideal to have a quality

1 improvement component because what you want to do is look  
2 at cases that were treated and see if there were any  
3 errors, and if so, correct the errors, teach the doctors  
4 that involved, you know, what went wrong, and try to make  
5 systemic improvements or teach -- teach -- teaching  
6 improvements to prevent those errors from occurring in the  
7 future.

8 Q Were you teaching, basically, best practices for  
9 emergency room physicians as well as trauma physicians and  
10 surgeons?

11 A Yes, we tried.

12 Q And you were the director of that program, correct?

13 A Yes.

14 Q Did you also become the director of LAUSC jail medical  
15 services?

16 A Yes.

17 Q What is the connection or the tether between the jail  
18 system in Los Angeles and LAUSC Medical Center?

19 A Well, LAC Jail Ward was established about 70 years ago,  
20 and it was a place that the officers from various agencies  
21 such as LA Sheriffs, LAPD, California Highway Patrol, or  
22 any of the municipalities around could bring people that  
23 they arrested who were in need of medical care.

24 Q So the jail system, very large jail system, I'm  
25 guessing, in Los Angeles, correct?

1 A Correct, yes.

2 Q There have to be medical attendants to that jail  
3 system, correct?

4 A Yes.

5 Q And you became the director of the jail medical  
6 services for the entirety of that system?

7 A For the hospital component of it.

8 Q Understood. The -- in California, there is -- you're  
9 obviously licensed in California?

10 A Yes.

11 Q There is a state medical board in California, correct?

12 A Yes.

13 Q And did you ever do any work with that state medical  
14 board?

15 A Yes, I worked with them for about seven years part-time  
16 as a regular employee embedded in their enforcement unit.  
17 And what that involved was examining cases that were  
18 referred to the medical board of -- because of substandard  
19 care or illegal activities of the provide -- of  
20 practitioners, providers. It was for physicians and  
21 physician assistants that we regulated.

22 Q What was your title with the state medical board for  
23 that purpose -- for those purposes?

24 A The title was medical -- excuse me -- medical  
25 consultant. That was the official title.

1 Q Okay. And then before your retirement -- by the way,  
2 what years were you the medical consultant for or a medical  
3 consultant for the state board in California?

4 A I think from 2009 to 2016. I think those were the  
5 years. I'm not positive.

6 Q All right.

7 A I did that -- that was a job I was doing, one -- I was  
8 doing the LA County USC Medical Center job, too.

9 Q Right.

10 A It was an extra job.

11 Q So you didn't stop working as a physician, an ER, an  
12 emergency physician at LAUSC to take that position?

13 A No.

14 Q You just consulted with them?

15 A I did it once a week, one day a week.

16 Q Got it. And then with regard to the -- your -- one of  
17 your last positions that you held, did you become the Chief  
18 Medical Executive for the California State Prison Corcoran?

19 A Yes.

20 Q Tell me about that position and the years that you held  
21 that position.

22 A So that was from 2018 to 2023, and as the chief medical  
23 executive, I was the supervisor of all the doctors and  
24 nurse practitioners that provided care to the inmates.

25 Q And obviously, the California prison system is a very

1 large prison system?

2 A Very.

3 Q Doctor, are you board certified in emergency medicine?

4 A Yes.

5 Q Are you a member of the National Association of Medical  
6 Examiners?

7 A Yes, I'm actually fellow status, which is higher than  
8 member.

9 Q Are you a member of the American Academy of Forensic  
10 Science?

11 A Yes, again, I'm a fellow there.

12 Q Which also is an advancement above just being a member?

13 A Correct.

14 Q Have you ever published in the area -- now I'm going to  
15 get very specific. Have you ever published peer reviewed  
16 articles and done research in the area of animal bites and  
17 scratches?

18 A Yes.

19 Q Did you author or coauthor a peer reviewed article  
20 named "Managing Law Enforcement Dog Bites in the ER,"

21 A Yes.

22 Q About what year was that?

23 A It was in the 1990s.

24 Q Late 1990s, 1996, does that sound right?

25 A Yes.

1 Q Did you also author or coauthor an article called "Law  
2 Enforcement, K-9 Dog Bites: Injuries, Complications and  
3 Trends?"

4 A Yes.

5 Q So given those articles, did you study specifically dog  
6 bites, dog wounds on the human body?

7 A Yes. I have a very strong interest in wounds in  
8 general, and I have a strong interest in dog bites in  
9 particular.

10 Q During the course of your career, your professional  
11 experience, how many patients would you say you've seen or  
12 treated with animal injuries, including bites and  
13 scratches? A It's very hard to estimate, but between my own  
14 practice and the residents that I supervised, it was, I'm  
15 sure, well over 500 and could possibly be double that.

16 Q Could it be as many as a thousand?

17 A It could be, yes.

18 Q Have you qualified as an expert in emergency medicine  
19 in the past?

20 A Yes.

21 Q Have you qualified as an expert in the area of forensic  
22 pathology and wounds in the past?

23 A Yes.

24 Q Is that both in federal and state courts?

25 A Yes.



1 Q Doctor, were you asked to review certain materials  
2 related to this case in furtherance of coming to some  
3 opinions and conclusions about injuries suffered by John  
4 O'Keefe, specific to his right arm?

5 A Yes.

6 Q What did you review in coming to your opinions and  
7 conclusions?

8 A Well, I reviewed hospital records and hospital -- and  
9 pictures taken of him in from -- in the hospital, when he  
10 was in the hospital. I reviewed autopsy records, the  
11 autopsy report, and photographs taken during and before the  
12 autopsy. I reviewed -- let's see, I reviewed the grant -- I  
13 reviewed the grand jury testimony of the autopsy  
14 pathologist. I reviewed affidavit of Dr. Sheridan. I  
15 reviewed the town of Canton the dog bite reports about  
16 regarding incidents.

17 MR. LALLY: Objection. May we approach?

18 THE COURT: Yes.

19 (Sidebar commences:

20 THE COURT: Your objection, Mr. Lally.

21 MR. LALLY: Your Honor, these are records that  
22 specifically she testified two days ago that she had them.

23 THE COURT: What do you say?

24 MR. JACKSON: She was not reviewed them. She was asked  
25 two days ago to read the USC -- the document - I'm sorry.

1 The docket records and the UC Davis.

2 THE COURT: You say you had her review them between now  
3 and today?

4 MR. JACKSON: Of course.

5 THE COURT: All right. I'm going to send the jury out.  
6 We're going to take a short recess and we'll proceed.

7 (End of sidebar.)

8 THE COURT: All right. Jurors, we're going send you out  
9 for ten minutes.

10 (Jury out.)

11 (Court in recess.)

12

13

14

15 (Court in session.)

16 (Defendant is present with counsel.)

17 (Jury in.)

18 THE COURT: So the Commonwealth's objection is  
19 overruled. You can continue.

20 MR. JACKSON: Thank you, Your Honor.

21 Q Doctor, you've listed several items that you've  
22 reviewed in coming to your opinions and conclusions. Did  
23 you also review a toxicological report?

24 A Yes.

25 Q And a neurology report -- a neuropathology report?

1 A Yes.

2 Q As well from the Commonwealth?

3 A Yes.

4 Q The -- based on your review of all of those materials,  
5 I don't want to know what your opinion or conclusion is  
6 yet, but were you able to come to an opinion or conclusion  
7 concerning the injuries specifically to John O'Keefe's  
8 arms?

9 A Yes.

10 Q Or his right arm. Were there any documents in the  
11 furtherance of your review from UC Davis?

12 A Yes.

13 Q Did you review those as well?

14 MR. LALLY: Objection.

15 THE COURT: Sustained.

16 MR. JACKSON: With the Court's permission, may we  
17 display Exhibit 19.

18 THE COURT: Okay.

19 Q Doctor, I want to show you a photograph and ask you  
20 very quickly, have you seen this before?

21 A Yes.

22 Q Is this one of a number of photographs that you  
23 reviewed in furtherance of your evaluation of this case?

24 A Yes, it is.

25 Q I'd like to just focus your attention on this for just

1 a quick second and ask you, does this accurately reflect  
2 the wounds or injuries that you saw on John O'Keefe's right  
3 arm in coming to your opinions and conclusions?

4 A Yes, it reflects the injuries that I saw in  
5 photographs.

6 Q All right. Now, based on your review of all of the  
7 data that you've talked about, all of the information that  
8 you were given and reviewed, what is your opinion or  
9 conclusion about how these injuries were sustained?

10 A I believe that these injuries were sustained by an  
11 animal, possibly a large dog, because of the pattern of the  
12 injuries.

13 Q Could you describe for the jurors, please, on what you  
14 base that opinion?

15 A Yes. Well, there's -- may I use the --

16 THE COURT: Sure.

17 A There's a number of patterns here. There -- on the  
18 upper part of the arm, there's parallel lines, and those  
19 were inflicted by either teeth or claw marks. So there's a  
20 number of patterns that could be teeth or claw mark. And so  
21 this is one set right here. This is -- this is one further  
22 down, closer to the elbow is another set of parallel marks,  
23 again, probably most likely from teeth marks. And the  
24 reason I say that is in addition to the parallel marks up  
25 here, down here there's also little punctate, incomplete

1 puncture marks here --

2 Q Well let me --

3 A -- little round -- little round marks right there that  
4 were inflicted by the actual point of the tooth.

5 Q That was my question. What relevance does that have to  
6 your determination that this was likely caused by an  
7 animal?

8 A Yes. And I can explain in a moment the various kinds  
9 of wounds that animals can inflict.

10 Q Please.

11 A But going on with the picture first, so then down right  
12 at the elbow, there's another series, different series of  
13 marks that, again, have linear abrasions up where the  
14 pointer is, and then down below some punctate, superficial,  
15 round, small abrasions again representing upper and lower  
16 teeth, in my opinion. And then there are some irregular  
17 wounds down just below the elbow. And these are all, by  
18 the way, on the exterior surface, or what we call the post  
19 -- what doctors would call the posterior surface of the  
20 arm, which is the part of the arm that would sustain  
21 defensive type wounds. So if someone were to protect  
22 themselves.

23 MR. LALLY: Objection.

24 THE COURT: So sustained. Next question.

25 MR. JACKSON: Sure.

1 Q Doctor, if I could ask another question. Just to clear  
2 up what you said a little earlier about some of the wounds  
3 on the -- close to the elbow, is it -- is it your opinion  
4 that both the top teeth and bottom teeth could have created  
5 some or all of the injuries on that elbow area?

6 A Yes.

7 Q Okay. So in other words, instead of the mouth going  
8 all the way around the arm, it could have -- the top and  
9 bottom jaw could have situated itself on the -- this  
10 portion that we're seeing the -- the posterior part of the  
11 arm?

12 A Yes. And in this case, the animal did not get a good  
13 enough contact.

14 MR. LALLY: Objection. Move to strike.

15 THE COURT: So I'm going to strike that. Ask a  
16 different question.

17 Q Have you seen contact wounds where the animal, a dog,  
18 for instance, gets a very solid purchase on the leg, arm,  
19 part of the body?

20 A Yes.

21 Q Okay. Is that this or is this something else?

22 A Something else.

23 Q Describe that.

24 A Well, when an animal inflicts injuries, the type of  
25 injury depends on, in part, on the actual type of contact

1 and how much force is applied by that animal, in addition  
2 to any relative movement between the animal and the victim  
3 in this case. So, for instance, in the law enforcement dog  
4 bites, many of --

5 MR. LALLY: Objection.

6 THE COURT: So the nature is it notice? Is it -- one  
7 word.

8 MR. LALLY: May we approach?

9 THE COURT: Okay.

10 (Sidebar commences:

11 THE COURT: What's the objection?

12 MR. LALLY: This dog is not a law enforcement dog. No  
13 one asked her about a law enforcement dog, and as far as  
14 whatever she's talking about it, it's just rank and  
15 speculation. There is no foundation laid for whatever  
16 she's talking about.

17 THE COURT: What do you expect she's going to say, Mr.  
18 Jackson?

19 MR. JACKSON: I think she's going to contrast what a  
20 law enforcement dog does with a grab and hold versus what  
21 she sees here, I think. That's based on the voir dire.  
22 It's the first time I've heard her talk about that.

23 THE COURT: Have you spoken to her since the voir dire  
24 about her testimony?

25 MR. JACKSON: No. Only to say here is the link to all

1 the discovery that we sent you previously. Review it. But  
2 I have not talked to her about anything substantive.

3 THE COURT: Because I thought it was actually going to  
4 be a much smaller -- a much more narrow scope today --

5 MR. JACKSON: It couldn't be --

6 THE COURT: -- based on the voir dire.

7 MR. JACKSON: It couldn't be more narrow than this. I  
8 mean, it's her opinion about the dog bites. I'm not asking  
9 about anything else.

10 THE COURT: I expect she's going to --

11 MR. JACKSON: I can narrow it.

12 THE COURT: So narrow this and --

13 MR. JACKSON: Does the Court not want -- because I'm  
14 fine with it. If the Court does not want me to ask her  
15 move off the comparison between law enforcement dog bites  
16 and this, I can just ask her the simple question, this does  
17 not appear to be a law enforcement dog.

18 THE COURT: Have you read the articles that she  
19 published?

20 MR. JACKSON: Yes.

21 THE COURT: All right. Yes. Stay away from the  
22 canines -- I mean, police K-9s and just talk about this.  
23 end of sidebar.)

24 MR. JACKSON: May I, Your Honor?

25 THE COURT: Yes.



1 MR. JACKSON: Thank you.

2 Q Without getting any specifics about police K-9s.

3 A Okay.

4 Q Does this appear as it's a pattern of injuries that you  
5 see appear consistent with an animal or a large dog?

6 A Yes.

7 Q Does the number of injuries that you see here relegated  
8 to just the right arm, is that also consistent with an  
9 animal or large dog?

10 A Yes, it can be.

11 Q Is the direction of the injuries or the consistency of  
12 the direction of the injuries or the parallel injuries, is  
13 that also consistent with an animal or large dog attack?

14 A Yes.

15 Q Based on everything that we've discussed today, Doctor,  
16 is it your opinion, based on a reasonable degree of medical  
17 certainty, that these injuries were from an animal attack,  
18 possibly a large dog?

19 A Yes.

20 MR. JACKSON: May I have a moment, Your Honor?

21 THE COURT: Yes.

22 MR. JACKSON: That's all I have at this time, Your  
23 Honor.

24 MR. LALLY: May we approach?

25 THE COURT: Okay.

1 (Sidebar commences:

2 MR. LALLY: Your Honor, I just wanted to be clear to  
3 the Court as far as I intend to ask this witness about her  
4 testimony a couple of days ago and the fact that she  
5 testified that she hadn't reviewed those items and now  
6 subsequently has.

7 THE COURT: Okay. That's perfectly permissible.

8 MR. LALLY: Okay. I just wanted to check with the Court  
9 before I do.

10 THE COURT: Okay.

11 MR. LALLY: Thank you.

12 THE COURT: Yes.

13 end of sidebar.)

14 MR. LALLY: May I proceed, Your Honor?

15 THE COURT: Sure.

16 **CROSS-EXAMINATION**

17 **BY MR. LALLY:**

18 Q Good afternoon, ma'am.

19 A Good afternoon, sir.

20 Q Now, you testified that you're certified in emergency  
21 medicine; is that correct?

22 A That is correct.

23 Q And you're not, nor were you ever, certified in  
24 forensic medicine; is that correct --

25 A That is correct.

1 Q -- or forensic pathology?

2 A Correct.

3 Q And when was the last time that you worked at a  
4 coroner's office?

5 A 1995 in terms of doing autopsies.

6 Q Now, when was it that you first spoke to anyone from  
7 defense counsel in regard to your coming in here and  
8 testifying today?

9 A May 17.

10 THE COURT: Doctor, I am going to ask you to keep your  
11 voice up.

12 THE WITNESS: Oh, sorry.

13 THE COURT: Thank you.

14 THE WITNESS: May 17, 2024.

15 Q May 17, of this year; is that right?

16 A 2024.

17 Q So about six weeks after this trial began?

18 A I don't know when the trial began.

19 Q Now, as far as who reached out to who?

20 A I reached out to a district attorney that I worked with  
21 the LA coroner's office.

22 Q And then somehow that person put you in touch with Mr.  
23 Jackson; is that right?

24 A Yes.

25 Q And was that also on May 17?

1 A 17th and 18th, yes.

2 Q So I'm sorry, 17th or the 18th? Which? Which one was it  
3 that you spoke with Mr. Jackson?

4 A I didn't speak to him.

5 Q You did not speak to him?

6 A Not speaking, not verbal. There was some email  
7 communication or text communication.

8 Q So you communicated with him?

9 A Yes.

10 Q Was that on the 17th or the 18th?

11 A Yes, both, I think.

12 Q Both. Okay. And when did you render this opinion as far  
13 as what you've testified to here today?

14 A Shortly after he sent me the files.

15 Q Now, in regards to those files, you testified in this  
16 court a couple days ago, correct?

17 A I did.

18 Q And you were under oath at that point; is that correct?

19 A Excuse me?

20 Q You were under oath at that point; is that correct?

21 A Yes.

22 Q Okay. And when you were asked specifically what  
23 materials that you had reviewed, you included a number of  
24 items but you did not include anything about a Dr. Sheridan  
25 affidavit, anything about a UC Davis report, or anything

1 about any sort of bite history for a canine that lived or  
2 resided at 34 Fairview Road, correct?

3 A That's correct, because I hadn't reviewed them then.

4 Q And so since then two days ago, now you've reviewed  
5 them, correct?

6 A Yes, I became aware that those files existed. Yes.

7 Q You became aware of those files. Were they not sent to  
8 you previously?

9 A You know, I think there were technical difficulties  
10 regarding me and the computer and downloading from Dropbox,  
11 and so, yeah --

12 Q Did you ever --

13 A They were -- I think they were sent to me, but I think  
14 I didn't open them.

15 Q Okay. Now, with reference to these technical  
16 difficulties, did you ever express any of those technical  
17 difficulties, or, hey, I can't see the whole file, or  
18 there's other things in here that are listed that I can't  
19 look at?

20 A No, I wasn't aware.

21 Q And so with regard to as far as your reaching out or  
22 contact in regard to this case, how did that come about?

23 A I saw an article, I believe it was in the "Boston  
24 Globe" regarding this case. And I didn't, initially, I  
25 didn't think anything of it. Then I saw an article that

1 indicated that there was some --

2 Q I'm not asking you anything about anything any article  
3 indicated. You saw an article in "The Boston Globe" about  
4 this case?

5 A Yes.

6 Q Is that, right?

7 A Yes.

8 Q And how did you come upon it? Do you have a  
9 subscription to "The Boston Globe?"

10 A I did at the time, yes.

11 Q You did at the time. What time was this?

12 A In May.

13 Q May of 2024?

14 A Yes.

15 Q And how long had you had a subscription to "The Boston  
16 Globe" at the time that you saw this?

17 A It was either a six month subscription or a year, I  
18 don't remember.

19 Q And that was the first time that you had seen anything  
20 about that?

21 A First time I paid attention to anything like that, yes.

22 Q Now again, you had testified here just a couple of days  
23 ago when I asked you questions about this; is that right?

24 A Yes.

25 Q And wasn't it in your testimony just a couple of days

1 ago that the subscription was actually for a year or 18  
2 months --

3 A No.

4 Q -- not six months.

5 MR. JACKSON: Objection.

6 THE COURT: So only one person can talk at a time. So  
7 was that your testimony, Doctor?

8 THE WITNESS: No, I don't believe so. I believe that I  
9 said it was six month subscription or a twelve months  
10 subscription.

11 Q But in any event, you saw something. Is that the first  
12 time that you recall seeing anything in the media about  
13 this case was in May of 2024?

14 A It was the first time that I recall reading anything  
15 about it, correct.

16 Q Now, did you write a report in regard to your opinions  
17 that you've testified here today?

18 A No.

19 Q And I asked you that a couple of days ago as well?

20 A Yes, sir.

21 Q So last couple days, you've had time to review a UC  
22 Davis report, Dr. Sheridan's affidavit, and any sort of dog  
23 bite history, but you haven't had a chance to write a  
24 report?

25 MR. JACKSON: Objection.

1 THE COURT: Sustained.

2 Q You haven't rendered a report, correct?

3 A That's correct.

4 Q Why not?

5 A I haven't been asked to write a report, sir.

6 Q Now, did you ever look at anything related to Mr.  
7 O'Keefe's head injury?

8 A I looked at --

9 MR. JACKSON: Objection.

10 THE COURT: Sustained.

11 MR. JACKSON: Your Honor, may we approach briefly?

12 THE COURT: Yes.

13 (Sidebar commences:

14 THE COURT: Yes.

15 MR. JACKSON: Your Honor, I'm troubled by the last  
16 question and answer. Mr. Lally was specifically warned,  
17 and I followed the Court's rules, because the Court agreed  
18 with Mr. Lally that she was not to be asked about any other  
19 injuries except the arm, and she's not to be asked about  
20 her opinion concerning the motor vehicle incident. Then  
21 Mr. Lally gets up and asks the exact question that he had  
22 asked to be omitted. I have to object leaving the Court --  
23 sorry leaving the Court members, the jury, with the false  
24 information that I'm trying to hide something or I didn't  
25 do my full due diligence in asking her to look at his



1 entire body.

2 I would ask for a curative instruction. She was not,  
3 under pursuant to the court order, she was to limit her  
4 testimony to just the arm.

5 THE COURT: What do you say, Mr. Lally?

6 MR. LALLY: What she was prohibited from testifying  
7 about was anything to do with her pseudo-motor vehicle  
8 crash reconstruction training from her days as a police  
9 officer 30 some odd years ago.

10 THE COURT: Right.

11 MR. LALLY: Any testimony regarding interaction between  
12 the or lack of interaction between the vehicle and the  
13 victim, Mr. O'Keefe.

14 MR. JACKSON: That's just not true.

15 THE COURT: Yeah. No, I agree with you, Mr. Jackson.  
16 Mr. Lally, I made it clear that the only thing she could  
17 talk about were the injuries on his right arm. The only  
18 opinion was regarding the animal attack, and it was based  
19 on the fact that as a -- she has an MD and based on her  
20 experience in the ER. I think that Mr. Jackson got close  
21 to the edge on trying to qualify her as an expert  
22 pathologist and ordered to stay away from all of that, but  
23 there was no objection to that. No, and it was clear that  
24 she could talk about whether any injuries are inconsistent  
25 with having been struck by a vehicle, road rash or

1 scratches from broken glass, or any other taillight  
2 material. No, she's not -- it's strictly the arm. If you  
3 open the door, then it opens the door.

4 MR. LALLY: Okay.

5 THE COURT: All right.

6 MR. JACKSON: I'll leave it at that, Your Honor. Thank  
7 you.

8 end of sidebar.)

9 MR. LALLY: May I have a moment, Your Honor?

10 THE COURT: Yes.

11 Q Now, Doctor, you testified that you had some  
12 familiarity with areas of forensic science. You're on some  
13 boards, things of that nature; is that correct?

14 A Yes.

15 Q And as a result of that or any other work experience,  
16 are you familiar with an NAS report from 2008?

17 A Not with that limited information, no.

18 Q You're not aware of a report issued by the National  
19 Association of Forensic Science in 2008 which specifically  
20 has a section of dealing with --

21 MR. JACKSON: Objection.

22 THE COURT: So I'm going to see you both at sidebar  
23 again.

24 (Sidebar commences:

25 THE COURT: All right. So you said any as to the

1 National Community of Science or is there --

2 MR. LALLY: The "F", yes.

3 THE COURT: Okay. So you left the "F" out when you said  
4 it the first time or I just didn't hear it. What's the  
5 objection?

6 MR. JACKSON: Counsel reading. He's testifying.

7 THE COURT: Okay. Can I just see what you have? Is it  
8 the report from them? Okay. So he can cross-examine her.  
9 Show her what the report is.

10 MR. JACKSON: Yeah, I just think it has to be done in  
11 form.

12 THE COURT: It's cross-examination; he gets more  
13 leeway.

14 MR. JACKSON: I understand.

15 THE COURT: But go ahead and show her.

16 MR. LALLY: Sure.

17 end of sidebar.)

18 Q So, ma'am, you're not familiar with that report  
19 specifically as it applies to forensic odontology?

20 THE COURT: So could you say that again, Mr. Lally?

21 Q Certainly. The National Academy of Sciences' 2008  
22 report in relation to the section referring to forensic  
23 odontology.

24 A I'm not familiar with that specific report, no.

25 Q So then you're equally unfamiliar with the

1 representation that that is not a -- from the NAS report  
2 that that is not a reliable science as far as bite marks  
3 are concerned?

4 A There are certain aspects of bite marks that have been  
5 deemed not reliable.

6 Q Okay.

7 A And that -- and that I believe has to do with saying  
8 that this particular person or animal inflicted this  
9 particular bite, but that's -- that's very specific, and  
10 that's what I'm aware of, that recommendation.

11 Q So you're not aware of any findings in the NAS report  
12 that has led to questioning and the value in scientific  
13 objectivity of such evidence?

14 A For specifically identifying a bite mark to individual  
15 that might have inflicted the bite mark, I think that's  
16 what that applies to.

17 Q I'm not asking -- again, this is a report. Are you  
18 familiar with it, or are you not familiar with it?

19 A I'm familiar with a summary or an abstract of a report  
20 that indicates that forensic odontology is not very -- is  
21 deemed not reliable when it comes to that particular narrow  
22 aspect of forensic odontology.

23 Q And so you're not familiar with it also talking about  
24 sample data and collection, analyzes of these,  
25 interpretation and reporting of results, you're not

1 familiar with those areas of the NAS report as well?

2 A What specifically -- do you have a specific question  
3 about that or?

4 Q My first question was whether or not you're familiar  
5 with the report. You indicated that you weren't.

6 A I did not read the report.

7 Q Now you're quoting from the report.

8 THE COURT REPORTER: Mr. Lally.

9 THE COURT: Let the witness answer.

10 MR. LALLY: Sure.

11 THE COURT: One question at a time, one speaker at a  
12 time.

13 Doctor, can you answer that question?

14 A Sure. I did not read that report.

15 Q Now, you had written some articles that you were asked  
16 about in reference to dog bites or canine dog bites in the  
17 emergency department; is that correct?

18 A Yes, co-authored.

19 Q And that's something you published or authored or co-  
20 authored sometime in the late 1990s; is that right?

21 A Correct.

22 Q And in that instance, you talk about law enforcement  
23 dogs and a bite and a hold technique, correct?

24 A Yes.

25 Q Now, part of the reason in writing that article had to

1 do with sort of the applied forces and the unique spectrum  
2 of injuries from those kind of dog bites; is that correct?

3 A Yes.

4 Q And that spectrum of injuries would include deep  
5 puncture wounds; is that right?

6 A It can, yes.

7 Q Severe crush injuries; is that right?

8 A Correct.

9 Q Large tissue avulsions and lacerations; is that right?

10 A Yes.

11 Q Wounds necessitating surgical debridement; is that  
12 right?

13 A Yes.

14 Q Bony injuries, ranging from cortical violations to  
15 displaced fractures; is that right?

16 A Yes.

17 Q Neurovascular damage; is that right?

18 A Yes.

19 Q And other wounds at high risk for infection, correct?

20 A Correct.

21 Q Now --

22 A But we also put a disclaimer in that article.

23 Q I'm not asking you about any disclaimer.

24 A Okay.

25 Q I'm asking you about that's what the type of injuries

1 that you were looking at; is that correct?

2 A Yes, but we saw a skewed population.

3 Q So you skewed population in a study; is that correct?

4 A Well, we saw the worst of the worst.

5 Q Yes or no.

6 A Yes.

7 Q Did you skew the population in the study?

8 A I'm sorry I don't understand that question.

9 Q Did you skew the population in the study?

10 A Did we skew?

11 Q Yes.

12 A No. We reported on all the ones that presented to the  
13 emergency room for care. However, a lot of dog bites don't  
14 present to the emergency room.

15 Q And so from the different cases that you report on  
16 within that article, are there any of those cases in which  
17 there is injuries to just one aspect of one part of the  
18 human body for the victims of dog attacks or dog bites in  
19 those cases?

20 A There may have been. That's a summary of the 700  
21 cases. Seven -- more than seven hundred cases.

22 Q Is it normal in any kind of animal attack for injuries  
23 to occur on just one side of one arm of the person that's  
24 being attacked, clawed, or bitten?

25 A There are many people who are bitten or scratched.

1 Q I'm asking if it's normal, ma'am.

2 MR. JACKSON: Objection.

3 THE COURT: Mr. Lally -- Hold on, Mr. Jackson. Mr.  
4 Lally, ask a question, wait for the answer, and then start  
5 a next question. Do not interrupt the witness.

6 MR. LALLY: I apologize, Your Honor. I don't mean to  
7 interrupt, but I'm asking for an answer responsive to the  
8 question.

9 THE COURT: So ask a question, and ask it in a manner  
10 that you get a response.

11 Q Dr. Russell, is it your testimony that it's normal in  
12 an animal attack for injuries to occur on just one side of  
13 one arm and nothing else, anywhere else on that person's  
14 body?

15 A It can be, yes.

16 Q I'm not asking if it can be. I'm asking is that normal?

17 A I can't say.

18 MR. JACKSON: Objection.

19 THE COURT: Sustained. You have to ask the question  
20 differently.

21 Q So from your observations, you looked at various  
22 photographs of Mr. O'Keefe; is that right?

23 A I did.

24 Q Did you observe any injuries on any other part of his  
25 body that you would attribute to an animal attack, whether



1 they be claw marks or bite marks or anything else?

2 A No.

3 Q So nothing on his left arm, correct?

4 A Nothing that I identified as a dog bite or a scratch.

5 Q Nothing on his legs; is that correct?

6 A That's correct.

7 Q Nothing on his torso; is that correct?

8 A That's correct.

9 Q Now, you say an animal attack, possibly a large dog,  
10 correct?

11 A Yes.

12 Q Can you say what type of animal left these marks that  
13 you attribute to an animal attack?

14 A Not with 100 percent certainty, no.

15 Q Can you say where physically Mr. O'Keefe was located  
16 when those -- the animal attack supposedly occurred?

17 MR. JACKSON: Objection.

18 THE COURT: Can you say that?

19 THE WITNESS: No.

20 THE COURT: Okay.

21 Q Can you say when Mr. O'Keefe reportedly sustained these  
22 injuries from an animal attack?

23 A Well, to a certain degree, yes. Before -- it was  
24 before death, but not long enough to have a big  
25 inflammatory reaction. So yes. So out -- minutes to hours

1 before death.

2 Q Minutes to hours before death, but at some point before  
3 death, correct?

4 A Yes.

5 Q Can you say anything about the breed of dog?

6 A No.

7 Q Can you say anything about whether it occurred inside  
8 the house, outside the house, anything like that?

9 A No.

10 Q As far as you mentioned some of the different things  
11 that you reviewed over the course of your testimony --  
12 excuse me -- over the preparation of your testimony both  
13 prior to Tuesday and between Tuesday and today. Any of  
14 those things contain any forensic reports or phone  
15 examinations or anything else related to this case?

16 A Could you repeat that? I didn't -- what kind of  
17 examination? Phone?

18 Q Sure. Any other materials that you reviewed, whether it  
19 be prior sometime between May 17, and Tuesday, or anything  
20 that you reviewed between Tuesday and today, did any of  
21 those materials that you reviewed contain any sort of  
22 forensic reports or anything beyond the UC Davis?

23 A Yes, I saw a photograph.

24 Q So you saw photographs. And to that point, you never  
25 actually saw Mr. O'Keefe's body, correct, you just saw

1 photographs?

2 A That's true.

3 Q And with respect to the UC Davis report as far as  
4 canine DNA, are you aware that the results of that were  
5 that there was no canine DNA --

6 MR. JACKSON: Objection.

7 Q -- on Mr. O'Keefe -- on swabbings that were sent to the  
8 UC Davis lab?

9 THE COURT: I'm going to allow it.

10 A Yes, but there was clothing in between.

11 Q Okay. But the swabbings came from the clothing with  
12 tears in the clothing in the same area as the injuries,  
13 correct?

14 A Okay.

15 Q Do you know that or no?

16 A I couldn't tell if they came from the wound or the  
17 clothing. I thought that they came from the clothing, but.

18 Q So you couldn't tell by reviewing the report whether or  
19 not swabbings came from clothing or from Mr. O'Keefe's  
20 body?

21 A I know the clothing was sent to the laboratory.

22 Q You know the clothing was sent to what laboratory?

23 A To the DNA laboratory.

24 Q To UC Davis?

25 A Oh, I don't know that. No, I'm sorry.

1 Q But you are aware that that came back as far as  
2 negative for any canine DNA, correct?

3 A That's correct.

4 Q Now, as far as the injuries that you observed, your  
5 testimony is that both the top teeth of whatever animal  
6 this is and the bottom teeth of whatever animal this is,  
7 both made contact with only the top of Mr. O'Keefe's arm or  
8 the posterior of his arm?

9 A Wait. Both sets of teeth made contact with certain of  
10 those wounds, yes, but not all of them.

11 Q But neither the top nor the bottom teeth made any  
12 contact that you observed, assuming your issue as far as an  
13 animal attack, there's no evidence of any animal attack on  
14 the bottom of Mr. O'Keefe's right arm, correct?

15 A I'm not sure what you mean by bottom.

16 Q Anterior.

17 A Anterior, that's correct.

18 Q And nothing on the posterior or the anterior of his  
19 left arm?

20 A That is correct.

21 Q And nothing on his legs?

22 A That's correct.

23 Q Nothing on his torso?

24 A Correct.

25 Q Nothing on his head; is that correct?

1 A Correct.

2 Q Now, as far as the marks that you did observe that you  
3 do attribute to an animal attack, can you even say with  
4 certainty whether or not those marks you feel are bite  
5 marks versus scratch marks. Do you have any idea which are  
6 which?

7 A There may be a combination.

8 Q So is that no?

9 A Well, no, I think that the ones that had the linear  
10 abrasions above the small, round punctate abrasions, I  
11 believe that those are bite marks from upper and lower  
12 teeth.

13 Q Now, you indicated that part of what you had reviewed  
14 was a dog bite history for a dog from 34 Fairview Road  
15 named Chloe; is that right?

16 A Yes.

17 Q And there were a couple of different instances of that  
18 dog essentially getting in a fight with other dogs,  
19 correct?

20 A Yes.

21 Q And at any point in time, did you see anything in  
22 there, as far as a dog going after a human in which there  
23 was no -- no other dog present?

24 A No.

25 Q And there were actually photographs contained within

1 that material of dog bites from that dog, from Chloe,  
2 correct?

3 A Yes.

4 Q Did any of those dog bites that you saw in those  
5 photographs look anything like what you observed in the  
6 photos that you saw of Mr. O'Keefe's arm?

7 A No, but.

8 Q That's all, ma'am.

9 MR. JACKSON: Objection, Your Honor.

10 THE COURT: No. So the answer is no. You can get back  
11 up, Mr. Jackson, but the answer that question is no. Next  
12 question.

13 Q So is it your testimony that from reviewing what you  
14 reviewed that what you observe on Mr. O'Keefe's arm is  
15 consistent with an animal attack to the exclusion of any  
16 other possibilities?

17 A To a degree of reasonable medical certainty, yes.

18 Q So as far as any other sort of blunt impact injuries or  
19 other manifestations of how those scratches got there,  
20 you're saying, no, it had to be an animal attack.

21 A I've seen thousands of wounded --

22 Q Yes or no. What I'm asking you is --

23 MR. JACKSON: Objection.

24 THE COURT: So --

25 Q -- based on what you observed --

1 THE COURT: -- Mr. Lally, I'm going to let the witness  
2 answer.

3 Q Go ahead, ma'am.

4 A I've seen thousands of people with injuries to their  
5 skin and from blunt, from sharp, from all different  
6 mechanisms. Those injuries did not look like blunt force  
7 injuries.

8 Q So it's your testimony that the injuries to his arm  
9 don't look anything like blunt force injuries that you've  
10 seen before, and you wouldn't characterize them as that?

11 A That's correct.

12 Q And that's based on some photographs and some other  
13 materials that you began reviewing sometime May 17, 2024?

14 A Yes, I'm an ER doctor. I need to make a diagnosis  
15 quickly when I see something, and I'm trained to do that.  
16 That's my -- that's my specialty.

17 Q Were you being asked as an ER doctor to come to a quick  
18 conclusion and -- in this case?

19 A No.

20 Q But you did anyway.

21 A It's how I'm trained.

22 MR. LALLY: Nothing further.

23 MR. JACKSON: Very briefly, Your Honor, if it please  
24 the Court.

25 THE COURT: Go ahead.

1 **REDIRECT EXAMINATION**

2 **BY MR. JACKSON:**

3 Q Concerning the forensic odontology report, the NAS  
4 report that Mr. Lally asked you about, what is your  
5 understanding about the report as it pertains to  
6 identifying individuals who left a bite mark? Explain that  
7 for the jurors, please.

8 A I believe the report says that that is not reliable as  
9 it once was thought to be.

10 Q Like a fingerprint identifying a human being, DNA  
11 identifying a person, or a bite mark identifying a person,  
12 NAS said, not the bite mark. It doesn't work that way.

13 A That's correct.

14 Q It has nothing to do with the pattern of injuries that  
15 you've seen a thousand times from animals, correct?

16 A Correct.

17 Q You were asked several questions about the injuries  
18 that you saw and studied attended to dog -- highly trained  
19 dog -- highly trained K-9s, police dogs, correct?

20 A Yes.

21 Q Very different than just a domestic dog that somebody  
22 might have as a pet, correct?

23 A Correct.

24 Q And the bite injuries are very, very different as well,  
25 aren't they?



1 A That is correct.

2 Q You were asked whether or not you were aware, based on  
3 UC Davis's report, that there was no canine DNA found on  
4 the -- on the swabs that were sent to them, correct?

5 A Yes.

6 Q Are you also aware that there was pig DNA?

7 A I'm aware of that.

8 Q Did that have any impact in your -- did you analyze  
9 that at all one way or the other?

10 A Not to any degree of scientific certainty, no.

11 Q But you do know that dogs chew on pig ears sometimes,  
12 correct?

13 MR. LALLY: Objection.

14 THE COURT: Sustained.

15 Q You've reviewed at least a report if not a series of  
16 reports that indicate that a particular dog, Chloe, has an  
17 attack history, correct?

18 A Yes.

19 Q You were asked specifically by Mr. Lally whether or not  
20 the wounds in a dog attack on another dog attack where a  
21 human stuck a hand in the middle look anything like these,  
22 correct? Do you remember that question?

23 A I remember a question like --

24 Q And you said no, but, and then you were cut off. Do  
25 you remember that?

1 A Yes.

2 Q Can you finish that answer for us?

3 A Yes. So animals, and dogs in particular, can inflict a  
4 wide variety of injuries on the skin, from -- from just  
5 individual puncture wounds to abrasions where there's a  
6 scratching of the skin to where there's actually a pulling  
7 away -- pulling away of the skin from the underlying  
8 tissues, the ripping effect. And so there's a variety of  
9 wounds that, you know, or patterns that one can see from an  
10 animal attack. It depends a lot on the thickness of the  
11 skin, the movement of the -- between the -- the victim and  
12 the animal, and also the power of the animal and the  
13 training of the animal. Yes.

14 Q So in other words, not all wounds inflicted by a  
15 particular animal are going to look exactly the same?

16 A Correct.

17 Q It's a very dynamic situation, isn't it?

18 MR. LALLY: Objection.

19 THE COURT: Sustained.

20 Q Doctor, having seen up to a thousand bite and claw  
21 marks on the human body and based on your review of the  
22 entirety of the case file that you reviewed, including the  
23 nature and the pattern and the consistency of the injuries  
24 that you saw on Mr. O'Keefe's right arm, what is your  
25 opinion to a reasonable degree of scientific certainty

1 about the nature of those injuries?

2 MR. LALLY: Objection.

3 THE COURT: Sustained.

4 Q What is your ultimate conclusion and opinion about the  
5 injuries that you saw and that you reviewed --

6 MR. LALLY: Objection.

7 THE COURT: Sustained.

8 Q Can you tell the jurors at the end of the -- at the end  
9 of the day, what is your opinion and conclusion about those  
10 injuries?

11 MR. LALLY: Objection.

12 THE COURT: Sustained.

13 MR. JACKSON: Your Honor, could we approach?

14 THE COURT: Sure.

15 (Sidebar commences:

16 THE COURT: Go ahead, Mr. Lally. What's your  
17 objection?

18 MR. LALLY: Asked and answered.

19 MR. JACKSON: It's opening up in -- I'm sorry.

20 THE COURT: It doesn't even get to the ultimate  
21 conclusion. MR. JACKSON: It was opened on cross. He  
22 literally said on cross-examination that's why I -- if he  
23 hadn't asked is your opinion really that this is to the  
24 exclusion of everything else, that calls into question her  
25 opinion. She's allowed, I think I'm going to press the

1 Court on it, but I think she's allowed to reiterate her  
2 opinion. Based on the totality of my review, I have an  
3 opinion, what it is.

4 THE COURT: What do you say to that, Mr. Lally?

5 MR. LALLY: Again, I would say it's beyond the scope.  
6 What I asked her was to the exclusion of everything else I  
7 was asking what her opinion is. That's been asked and  
8 answered.

9 THE COURT: Do you have any recross?

10 MR. LALLY: With the Court's permission, I would like  
11 to put a photo up from that -- what a Chloe dog bit  
12 actually looks like.

13 THE COURT: Well, rather than coming back here, what do  
14 you say about that, Mr. Jackson?

15 MR. LALLY: That's awfully dangerous for the  
16 Commonwealth, but I also think it's just in the interest of  
17 time it's irrelevant.

18 THE COURT: Is there anything else you were going to  
19 get into with her on recross?

20 MR. LALLY: No.

21 THE COURT: All right. I'm going to end this now.

22 MR. JACKSON: No more questions?

23 THE COURT: No more questions.

24 MR. JACKSON: Okay. That's fine.

25 end of sidebar.)

1           MR. JACKSON: Thank you, Your Honor. No more  
2 questions.

3           THE COURT: Mr. Lally, you had no more questions.

4           MR. LALLY: No, Your Honor.

5           THE COURT: All right, Doctor, you are all set.

6           THE WITNESS: Thank you.

7 (Witness exits.)

8           THE COURT: All right, jurors, we will take our lunch  
9 break.

10 (Jury out.)

11          THE COURT: I just wanted to know who you have this  
12 afternoon.

13          MR. YANETTI: Just Richard Green, Your Honor.

14          THE COURT: All right. Thank you.

15 (Court in recess.)

16

17

18

19

20

21

22

23

24

25

## C E R T I F I C A T I O N

I, CHRISTINE D. BLANKENSHIP, NOTARY PUBLIC, DO HEREBY  
CERTIFY THAT THE FOREGOING IS A TRUE AND ACCURATE TRANSCRIPT  
FROM THE RECORD OF THE COURT PROCEEDINGS IN THE ABOVE-ENTITLED  
MATTER.

I, CHRISTINE D. BLANKENSHIP, FURTHER CERTIFY THAT THE  
FOREGOING IS IN COMPLIANCE WITH THE ADMINISTRATIVE OFFICE OF THE  
TRIAL COURT DIRECTIVE ON TRANSCRIPT FORMAT.

I, CHRISTINE D. BLANKENSHIP, FURTHER CERTIFY THAT I NEITHER  
AM COUNSEL FOR, RELATED TO, NOR EMPLOYED BY ANY OF THE PARTIES  
TO THE ACTION IN WHICH THIS HEARING WAS TAKEN, AND FURTHER THAT  
I AM NOT FINANCIALLY NOR OTHERWISE INTERESTED IN THE OUTCOME OF  
THIS ACTION.

Christine D. Blankenship, December 11, 2024

CHRISTINE D. BLANKENSHIP, NOTARY PUBLIC  
RECORDED BY FTR, TRANSCRIPT PRODUCED FROM COMPUTER  
29B MECHANIC STREET  
FOXBORO, MASSACHUSETTS 02035  
(508) 904-9508  
C.DORANBLANKENSHIP@GMAIL.COM

**A**

**Able** - 19:6  
**Above** - 15:12, 45:10  
**Abrasions** - 21:13, 21:15, 45:10, 50:5  
**Abstract** - 36:19  
**Academy** - 5:12, 5:14, 5:15, 15:9, 35:21  
**Accurately** - 20:1  
**Active** - 11:2  
**Activities** - 13:19  
**Actual** - 21:4, 22:25  
**Addition** - 10:14, 10:15, 20:24, 23:1  
**Adjunct** - 9:12  
**Advanced** - 11:15, 11:16  
**Advancement** - 15:12  
**Advantage** - 5:8  
**Affidavit** - 17:14, 28:25, 31:22  
**Afternoon** - 26:18, 26:19, 53:12  
**Agencies** - 12:20  
**Agree** - 33:15  
**Agreed** - 32:17  
**Ahead** - 11:19, 35:15, 47:3, 47:25, 51:16  
**Air** - 3:24  
**Allow** - 43:9  
**Allowed** - 51:25, 52:1  
**American** - 15:9  
**Analyze** - 49:8  
**Analyzes** - 36:24  
**Anatomic** - 4:16, 8:4, 8:13, 9:9  
**Angeles** - 7:11, 8:6, 9:13, 9:24, 11:3, 12:18, 12:25  
**Animals** - 21:9, 48:15, 50:3  
**Anterior** - 44:16, 44:17, 44:18  
**Anyway** - 47:20  
**Anywhere** - 40:13  
**Apologize** - 40:6  
**Appear** - 24:17, 25:4, 25:5  
**Applied** - 23:1, 38:1  
**Applies** - 35:19, 36:16  
**Approach** - 17:17, 23:8, 25:24, 32:11, 51:13  
**Area** - 15:14, 15:16, 16:21, 22:5, 43:12  
**Areas** - 34:12, 37:1  
**Aren't** - 48:25  
**Arms** - 19:8  
**Arrested** - 12:23  
**Article** - 15:19, 16:1, 29:23, 29:25, 30:2, 30:3, 37:25, 38:22, 39:16  
**Articles** - 9:3, 15:16, 16:5, 24:18, 37:15

**Aspect** - 36:22, 39:17  
**Aspects** - 36:4  
**Assessing** - 10:16  
**Assistant** - 9:6, 9:11  
**Assistants** - 13:21  
**Associated** - 7:15  
**Association** - 15:5, 34:19  
**Attack** - 25:13, 25:17, 33:18, 39:22, 40:12, 40:25, 41:9, 41:13, 41:16, 41:22, 44:13, 45:3, 46:15, 46:20, 49:17, 49:20, 50:10  
**Attacked** - 39:24  
**Attacks** - 39:18  
**Attend** - 11:4  
**Attendants** - 13:2  
**Attended** - 4:18, 6:19, 6:25, 9:2, 48:18  
**Attending** - 9:24, 10:23  
**Attention** - 19:25, 30:21  
**Attorney** - 27:20  
**Attribute** - 40:25, 41:13, 45:3  
**Author** - 15:19, 16:1  
**Authored** - 37:18, 37:19, 37:20  
**Autopsies** - 9:1, 9:2, 27:5  
**Autopsy** - 17:10, 17:11, 17:12, 17:13  
**Available** - 11:5  
**Avulsions** - 38:9  
**Aware** - 29:6, 29:7, 29:20, 34:18, 36:10, 36:11, 43:4, 44:1, 49:2, 49:6, 49:7  
**Awfully** - 52:15

**B**

**Bachelor** - 6:20  
**Back** - 4:10, 44:1, 46:10, 52:13  
**Background** - 4:8  
**Base** - 20:14  
**Based** - 19:4, 20:6, 23:21, 24:6, 25:15, 25:16, 33:18, 33:19, 46:25, 47:12, 49:2, 50:21, 52:2  
**Became** - 5:10, 7:6, 8:8, 13:5, 29:6, 29:7  
**Become** - 8:19, 9:5, 9:12, 11:9, 12:14, 14:17  
**Becoming** - 5:3, 5:16  
**Began** - 27:17, 27:18, 47:13  
**Below** - 21:14, 21:17  
**Big** - 41:24  
**Bit** - 52:11  
**Bite** - 17:15, 29:1, 31:23, 36:2, 36:4, 36:9, 36:14, 36:15, 37:23, 41:1, 41:4, 45:4, 45:11, 45:14, 48:6,

48:11, 48:12, 48:24, 50:20  
**Bites** - 15:16, 15:20, 16:2, 16:6, 16:8, 16:12, 23:4, 24:8, 24:15, 37:16, 38:2, 39:13, 39:18, 46:1, 46:4  
**Bitten** - 39:24, 39:25  
**Blunt** - 46:18, 47:5, 47:6, 47:9  
**Board** - 13:11, 13:14, 13:18, 13:22, 14:3, 15:3  
**Boards** - 34:13  
**Body** - 16:6, 22:19, 33:1, 39:18, 40:14, 40:25, 42:25, 43:20, 50:21  
**Bony** - 38:14  
**Boston** - 5:15, 29:23, 30:3, 30:9, 30:15  
**Both** - 8:13, 16:24, 22:4, 28:11, 28:12, 34:22, 42:12, 44:5, 44:7, 44:9  
**Bottom** - 22:4, 22:9, 44:6, 44:11, 44:14, 44:15  
**Break** - 53:9  
**Breast** - 5:5  
**Breed** - 42:5  
**Broken** - 34:1  
**Bulk** - 10:22  
**Bunch** - 4:17  
**Busiest** - 7:24

**C**

**Cal** - 9:12  
**California** - 3:19, 7:12, 7:16, 9:13, 12:21, 13:8, 13:9, 13:11, 14:3, 14:18, 14:25  
**Call** - 21:18, 21:19  
**Called** - 16:1  
**Calls** - 51:24  
**Cancer** - 5:5  
**Canine** - 29:1, 37:16, 43:4, 43:5, 44:2, 49:3  
**Canines** - 24:22  
**Can't** - 29:17, 29:18, 40:17  
**Canton** - 17:15  
**Capacity** - 9:10, 9:21  
**Cardiac** - 11:15  
**Care** - 4:5, 12:23, 13:19, 14:24, 39:13  
**Career** - 16:10  
**Case** - 10:12, 10:13, 17:2, 19:23, 22:12, 23:3, 29:22, 29:24, 30:4, 31:13, 42:15, 47:18, 50:22  
**Cases** - 10:11, 11:6, 12:2, 13:17, 39:15, 39:16, 39:19, 39:21  
**Caused** - 21:6  
**Center** - 7:12, 7:16, 7:21,

7:23, 9:6, 9:25, 11:13, 12:18, 14:8  
**Certain** - 17:1, 36:4, 41:23, 44:9  
**Certainly** - 35:21  
**Certainty** - 25:17, 41:14, 45:4, 46:17, 49:10, 50:25  
**Certified** - 15:3, 26:20, 26:23  
**Cetera** - 9:3  
**Chance** - 31:23  
**Characterize** - 47:10  
**Check** - 26:8  
**Chew** - 49:11  
**Chief** - 3:18, 14:17, 14:22  
**Chloe** - 45:15, 46:1, 49:16, 52:11  
**City** - 5:21  
**Claw** - 20:19, 20:20, 41:1, 50:20  
**Clawed** - 39:24  
**Clinical** - 11:8  
**Close** - 22:3, 33:20  
**Closer** - 20:22  
**Clothing** - 43:10, 43:11, 43:12, 43:17, 43:19, 43:21, 43:22  
**Co** - 37:18, 37:19  
**Coauthor** - 15:19, 16:1  
**Cochrane** - 3:19  
**Collection** - 36:24  
**College** - 4:10, 4:12, 4:19, 4:20, 6:14  
**Combination** - 45:7  
**Come** - 19:6, 29:22, 30:8, 47:17  
**Comes** - 36:21  
**Coming** - 17:2, 17:6, 18:22, 20:3, 27:7, 52:13  
**Commences** - 17:19, 23:10, 26:1, 32:13, 34:24, 51:15  
**Commonwealth** - 19:2, 52:16  
**Commonwealth's** - 18:18  
**Communicated** - 28:8  
**Communication** - 28:7  
**Community** - 35:1  
**Comparison** - 24:15  
**Completed** - 4:3, 4:11  
**Complications** - 16:2  
**Component** - 12:1, 13:7  
**Computer** - 29:10  
**Concerned** - 36:3  
**Concerning** - 19:7, 32:20, 48:3  
**Conclusion** - 19:5, 19:6, 20:9, 47:18, 51:4, 51:9, 51:21  
**Conclusions** - 17:3, 17:7,

18:22, 20:3  
**Conditioners** - 3:24  
**Conferences** - 9:2, 11:4  
**Connected** - 11:3  
**Connection** - 12:17  
**Consistency** - 25:11, 50:23  
**Consistent** - 25:5, 25:8, 25:13, 46:15  
**Consult** - 11:8  
**Consultant** - 13:25, 14:2, 14:3  
**Consulted** - 11:6, 14:14  
**Contact** - 22:13, 22:17, 22:25, 29:22, 44:7, 44:9, 44:12  
**Contain** - 42:14, 42:21  
**Contained** - 45:25  
**Continue** - 5:25, 6:23, 18:19  
**Contrast** - 23:19  
**Corcoran** - 14:18  
**Coroner's** - 8:6, 8:19, 8:25, 11:2, 11:3, 27:4, 27:21  
**Cortical** - 38:14  
**Couldn't** - 24:5, 24:7, 43:16, 43:18  
**Council** - 6:4  
**Counsel** - 3:2, 18:16, 27:7, 35:6  
**County** - 7:11, 8:6, 9:24, 14:8  
**Couple** - 3:24, 26:4, 28:16, 30:22, 30:25, 31:19, 31:21, 45:17  
**Course** - 16:10, 18:4, 42:11  
**Courses** - 4:17, 4:22, 5:4, 6:3, 11:15  
**Courts** - 16:24  
**Court's** - 19:16, 32:17, 52:10  
**Crash** - 33:8  
**Created** - 22:4  
**Criminal** - 6:4  
**CROSS** - 26:16, 35:8, 35:12, 51:21, 51:22  
**Crush** - 38:7  
**Curative** - 33:2  
**Cut** - 49:24

## D

**Damage** - 38:17  
**Dangerous** - 52:15  
**Data** - 20:7, 36:24  
**Davis** - 18:1, 19:11, 28:25, 31:22, 42:22, 43:3, 43:8, 43:24  
**Davis's** - 49:3

**Day** - 9:2, 14:15, 51:9  
**Days** - 17:22, 17:25, 26:4, 28:16, 29:4, 30:22, 30:25, 31:19, 31:21, 33:8  
**Daytime** - 9:9  
**Dealing** - 34:20  
**Deals** - 8:18  
**Death** - 41:24, 42:1, 42:2, 42:3  
**Debridement** - 38:11  
**Deceased** - 8:18  
**Decided** - 5:6, 5:8  
**Deemed** - 36:5, 36:21  
**Deep** - 38:4  
**Defendant** - 3:2, 18:16  
**Defense** - 27:7  
**Defensive** - 21:21  
**Degree** - 6:20, 6:22, 7:4, 25:16, 41:23, 46:17, 49:10, 50:25  
**Department** - 5:20, 5:21, 11:22, 37:17  
**Describe** - 6:2, 7:22, 8:23, 11:12, 20:13, 22:23  
**Determination** - 21:6  
**Diagnosing** - 10:16  
**Diagnosis** - 47:14  
**Didn't** - 10:20, 14:11, 28:4, 29:14, 29:24, 29:25, 32:24, 35:4, 42:16  
**Difference** - 8:10, 8:11  
**Differences** - 8:14  
**Different** - 21:12, 22:16, 39:15, 42:10, 45:17, 47:5, 48:21, 48:24  
**Differently** - 40:20  
**Difficulties** - 29:9, 29:16, 29:17  
**Diligence** - 32:25  
**Dire** - 23:21, 23:23, 24:6  
**Direction** - 25:11, 25:12  
**Director** - 11:10, 11:13, 11:20, 12:12, 12:14, 13:5  
**Disclaimer** - 38:22, 38:23  
**Discovery** - 24:1  
**Displaced** - 38:15  
**Display** - 19:17  
**Disregard** - 6:8  
**District** - 27:20  
**DNA** - 43:4, 43:5, 43:23, 44:2, 48:10, 49:3, 49:6  
**Doc** - 9:10, 10:22  
**Docket** - 18:1  
**Doctor** - 3:13, 5:3, 7:6, 8:8, 10:15, 15:3, 17:1, 18:21, 19:19, 22:1, 25:15, 27:10, 31:7, 34:11, 37:13, 47:14, 47:17, 50:20, 53:5  
**Doctors** - 10:6, 10:7, 10:8, 11:14, 12:3, 14:23,

21:19  
**Document** - 17:25  
**Documents** - 19:10  
**Doesn't** - 48:12, 51:20  
**Dogs** - 37:23, 45:18, 48:19, 49:11, 50:3  
**Domestic** - 48:21  
**Don't** - 6:9, 8:10, 19:5, 27:18, 30:18, 31:8, 39:8, 39:13, 40:6, 43:25, 47:9  
**Door** - 34:3  
**Double** - 16:15  
**Downloading** - 29:10  
**Dr** - 3:10, 3:12, 3:20, 17:14, 28:24, 31:22, 40:11  
**Dropbox** - 29:10  
**Due** - 32:25  
**Dynamic** - 50:17

## E

**Earlier** - 22:2  
**Early** - 11:21  
**Ears** - 49:11  
**Edge** - 33:21  
**Education** - 4:7, 4:8, 4:10, 4:12, 6:1, 6:13, 6:23, 9:4  
**Effect** - 50:8  
**Elbow** - 20:22, 21:12, 21:17, 22:3, 22:5  
**Email** - 28:6  
**Embedded** - 13:16  
**Employee** - 13:16  
**Enforcement** - 5:9, 13:16, 15:20, 16:2, 23:3, 23:12, 23:13, 23:20, 24:15, 24:17, 37:22  
**Engage** - 7:6  
**Entire** - 33:1  
**Entirety** - 13:6, 50:22  
**Equally** - 35:25  
**ER** - 9:10, 9:23, 10:22, 14:11, 15:20, 33:20, 47:14, 47:17  
**Errors** - 12:3, 12:6  
**Essentially** - 45:18  
**Established** - 12:19  
**Estimate** - 16:13  
**Et** - 9:3  
**Evaluation** - 19:23  
**Evenings** - 9:11  
**Everything** - 25:15, 51:24, 52:6  
**Evidence** - 36:13, 44:13  
**EXAMINATION** - 3:8, 26:16, 35:12, 42:17, 48:1, 51:22  
**Examinations** - 42:15  
**Examine** - 35:8  
**Examined** - 10:12  
**Examiners** - 9:1, 15:6

**Examining** - 13:17  
**Except** - 32:19  
**Exclusion** - 46:15, 51:24, 52:6  
**Executive** - 3:18, 14:18, 14:23  
**Exhibit** - 19:17  
**Existed** - 29:6  
**Exits** - 53:7  
**Expect** - 23:17, 24:10  
**Experience** - 16:11, 33:20, 34:15  
**Experienced** - 8:25  
**Expert** - 16:18, 16:21, 33:21  
**Expertise** - 11:8  
**Explain** - 21:8, 48:6  
**Express** - 29:16  
**Exterior** - 21:18  
**Extra** - 14:10

## F

**Fairview** - 29:2, 45:14  
**False** - 32:23  
**Familiarity** - 34:12  
**Far** - 23:13, 26:3, 27:19, 28:12, 29:21, 36:2, 42:10, 43:3, 44:1, 44:4, 44:12, 45:2, 45:22, 46:18  
**Federal** - 16:24  
**Feel** - 45:4  
**Fellow** - 8:5, 8:19, 15:7, 15:11  
**Fellowship** - 8:23, 11:1  
**Field** - 4:4, 4:5  
**Fight** - 45:18  
**File** - 29:17, 50:22  
**Files** - 28:14, 28:15, 29:6, 29:7  
**Findings** - 36:11  
**Fine** - 24:14, 52:24  
**Fingerprint** - 48:10  
**First** - 4:21, 5:4, 7:9, 7:10, 7:18, 7:19, 7:25, 21:11, 23:22, 27:6, 30:19, 30:21, 31:11, 31:14, 35:4, 37:4  
**Focus** - 19:25  
**Followed** - 32:17  
**Following** - 5:11, 8:21  
**Force** - 23:1, 47:6, 47:9  
**Forces** - 38:1  
**Form** - 35:11  
**Formal** - 4:12, 5:25, 6:13  
**Formalized** - 9:4  
**Found** - 49:3  
**Foundation** - 23:15  
**Four** - 4:13, 4:14, 10:1  
**Fractures** - 38:15  
**Full** - 5:19, 8:7, 8:24, 9:10, 32:25



**Further** - 6:13, 20:21, 47:22  
**Furtherance** - 17:2, 19:11, 19:23  
**Future** - 12:7

## G

**General** - 16:8  
**Generally** - 8:15, 8:18  
**Get** - 3:10, 6:9, 15:15, 22:12, 40:10, 46:10, 51:20, 52:19  
**Gets** - 22:18, 32:21, 35:12  
**Give** - 5:22  
**Given** - 16:5, 20:8  
**Glass** - 34:1  
**Globe** - 29:24, 30:3, 30:9, 30:16  
**Go** - 4:6, 4:19, 5:1, 5:6, 5:11, 5:14, 5:25, 6:23, 8:10, 10:13, 11:19, 35:15, 47:3, 47:25, 51:16  
**Good** - 22:12, 26:18, 26:19  
**Got** - 6:22, 14:16, 33:20, 46:19  
**Grab** - 23:20  
**Grand** - 17:13  
**Grant** - 17:12  
**Green** - 53:13  
**Guessing** - 12:25

## H

**Hadn't** - 26:5, 29:3, 51:23  
**Hand** - 49:21  
**Hard** - 16:13  
**Haven't** - 31:23, 32:2, 32:5  
**Head** - 32:7, 44:25  
**Hear** - 35:4  
**Heard** - 23:22  
**Held** - 14:17, 14:20  
**He's** - 35:6  
**Hey** - 29:17  
**Hi** - 3:12  
**Hide** - 32:24  
**High** - 4:12, 38:19  
**Higher** - 15:7  
**Highly** - 48:18, 48:19  
**Highway** - 12:21  
**History** - 29:1, 31:23, 45:14, 49:17  
**Hold** - 23:20, 37:23, 40:3  
**Home** - 5:6  
**Honor** - 3:7, 17:21, 18:20, 24:24, 25:20, 25:23, 26:2, 26:14, 32:11, 32:15, 34:6, 34:9, 40:6, 46:9, 47:23, 51:13, 53:1, 53:4, 53:13

**Hospital** - 13:7, 17:8, 17:9, 17:10  
**Hours** - 41:25, 42:2  
**House** - 42:8  
**Human** - 16:6, 39:18, 45:22, 48:10, 49:21, 50:21  
**Hundred** - 39:21

## I

**I'd** - 19:25  
**Ideal** - 11:25  
**Identified** - 41:4  
**Identifying** - 36:14, 48:6, 48:10, 48:11  
**I'll** - 34:6  
**Illegal** - 13:19  
**Illnesses** - 8:17  
**Immediate** - 3:17  
**Impact** - 46:18, 49:8  
**Improvement** - 11:20, 11:23, 12:1  
**Improvements** - 12:5, 12:6  
**Incidents** - 17:16  
**Incomplete** - 20:25  
**Inconsistent** - 33:24  
**Indicated** - 30:1, 30:3, 37:5, 45:13  
**Infection** - 38:19  
**Inflammatory** - 41:25  
**Inflict** - 21:9, 50:3  
**Inflicted** - 20:19, 21:4, 36:8, 36:15, 50:14  
**Inflicts** - 22:24  
**Initially** - 29:24  
**Injured** - 4:6  
**Injury** - 22:25, 32:7  
**Inmates** - 14:24  
**Inside** - 42:7  
**Instruction** - 33:2  
**Intend** - 26:3  
**Interaction** - 33:11, 33:12  
**Interest** - 5:9, 16:7, 16:8, 52:16  
**Interesting** - 11:7  
**Intern** - 4:3  
**Internship** - 4:3, 4:14  
**Interpretation** - 36:25  
**Interrupt** - 40:5, 40:7  
**Investigate** - 5:9  
**Involves** - 4:5  
**Irregular** - 21:16  
**Irrelevant** - 52:17  
**Isn't** - 50:17  
**Issue** - 44:12  
**Issued** - 34:18  
**Items** - 18:21, 26:5, 28:24  
**It's** - 7:24, 11:25, 16:13, 23:14, 23:22, 24:8, 25:4, 34:2, 35:12, 40:1, 40:11,

47:8, 47:21, 50:17, 51:19, 52:5, 52:16, 52:17  
**I've** - 4:17, 23:22, 46:21, 47:4

## J

**Jail** - 12:14, 12:17, 12:19, 12:24, 13:2, 13:5  
**Jaw** - 22:9  
**Job** - 14:7, 14:8, 14:10  
**John** - 17:3, 19:7, 20:2  
**Journal** - 9:3  
**Jurors** - 6:8, 11:12, 18:8, 20:13, 48:7, 51:8, 53:8  
**Jury** - 3:3, 17:13, 18:5, 18:10, 18:17, 32:23, 53:10  
**Justice** - 6:4

## K

**Kinds** - 21:8  
**Known** - 7:2, 7:13

## L

**LA** - 8:19, 8:24, 11:1, 12:21, 14:8, 27:21  
**Lab** - 43:8  
**Laboratory** - 43:21, 43:22, 43:23  
**LAC** - 12:19  
**Lacerations** - 38:9  
**Lack** - 33:12  
**Laid** - 23:15  
**LAPD** - 12:21  
**Large** - 7:21, 12:24, 15:1, 20:11, 25:5, 25:9, 25:13, 25:18, 38:9, 41:9  
**Late** - 15:24, 37:20  
**LAUSC** - 7:13, 9:6, 11:9, 11:24, 12:14, 12:18, 14:12  
**Learned** - 5:4  
**Leave** - 34:6  
**Leaving** - 32:22, 32:23  
**Led** - 36:12  
**Leeway** - 35:13  
**Left** - 11:1, 35:3, 41:3, 41:12, 44:19, 48:6  
**Leg** - 22:18  
**Legal** - 9:20  
**Legs** - 41:5, 44:21  
**Let's** - 4:19, 17:12  
**Level** - 9:22  
**Licensed** - 13:9  
**Limit** - 33:3  
**Limited** - 34:17  
**Linear** - 21:13, 45:9  
**Lines** - 20:18  
**Link** - 23:25  
**Listed** - 18:21, 29:18  
**Literally** - 51:22

**Lived** - 29:1  
**Located** - 41:15  
**Long** - 5:18, 9:23, 30:15, 41:24  
**Look** - 12:1, 29:19, 32:6, 32:25, 46:5, 47:6, 47:9, 49:21, 50:15  
**Looked** - 32:8, 40:21  
**Looking** - 39:1  
**Los** - 7:11, 8:6, 9:13, 9:24, 11:3, 12:18, 12:25  
**Lot** - 39:13, 50:10  
**Loud** - 3:10, 3:25  
**Lower** - 21:15, 45:11  
**Lunch** - 53:8

## M

**Make** - 12:4, 47:14  
**Malden** - 5:21, 5:24  
**Managing** - 15:20  
**Manifestations** - 46:19  
**Many** - 16:11, 16:16, 23:4, 39:25  
**MARIE** - 3:4, 3:12  
**Mark** - 20:20, 36:14, 36:15, 48:6, 48:11, 48:12  
**Marks** - 20:19, 20:22, 20:23, 20:24, 21:1, 21:3, 21:13, 36:2, 36:4, 41:1, 41:12, 45:2, 45:4, 45:5, 45:11, 50:21  
**Massachusetts** - 5:8, 5:11, 6:4, 7:1  
**Master's** - 9:22  
**Material** - 34:2, 46:1  
**Materials** - 17:1, 19:4, 28:23, 42:18, 42:21, 47:13  
**MD** - 33:19  
**Mechanisms** - 47:6  
**Media** - 31:12  
**Medicine** - 4:4, 4:14, 6:24, 7:20, 7:25, 9:20, 9:21, 11:22, 15:3, 16:18, 26:21, 26:24  
**Member** - 15:5, 15:8, 15:9, 15:12  
**Members** - 32:23  
**Metastatic** - 5:5  
**MIT** - 4:21, 5:1, 5:11  
**Month** - 30:17, 31:9  
**Months** - 31:2, 31:4, 31:9  
**Mother** - 5:5  
**Motor** - 32:20, 33:7  
**Mouth** - 22:7  
**Move** - 6:5, 22:14, 24:15  
**Movement** - 23:2, 50:11  
**Much** - 10:21, 23:1, 24:4  
**Municipalities** - 12:22

**N**

**Named** - 15:20, 45:15  
**Narrow** - 24:4, 24:7, 24:11, 24:12, 36:21  
**NAS** - 34:16, 36:1, 36:11, 37:1, 48:3, 48:12  
**National** - 15:5, 34:18, 35:1, 35:21  
**Necessitating** - 38:11  
**Neither** - 44:11  
**Neurology** - 18:25  
**Neuropathology** - 18:25  
**Neurovascular** - 38:17  
**New** - 5:6  
**Nine** - 10:1  
**Nor** - 26:23, 44:11  
**Normal** - 39:22, 40:1, 40:11, 40:16  
**Northeastern** - 6:19, 6:23  
**Notice** - 23:6  
**Nurse** - 14:24

**O**

**Object** - 32:22  
**Objectivity** - 36:13  
**Observations** - 40:21  
**Observe** - 40:24, 45:2, 46:14  
**Observed** - 44:4, 44:12, 46:5, 46:25  
**Occur** - 39:23, 40:12  
**Occurred** - 41:16, 42:7  
**Occurring** - 12:6  
**Odd** - 33:9  
**Odontology** - 35:19, 35:23, 36:20, 36:22, 48:3  
**Office** - 8:6, 8:19, 8:25, 11:2, 11:3, 27:4, 27:21  
**Officer** - 5:10, 5:16, 5:24, 6:12, 33:9  
**Officers** - 12:20  
**Official** - 13:25  
**O'keefe** - 17:4, 33:13, 40:22, 41:15, 41:21, 43:7  
**O'keefe's** - 19:7, 20:2, 32:7, 42:25, 43:19, 44:7, 44:14, 46:6, 46:14, 50:24  
**Omitted** - 32:22  
**One** - 7:24, 9:2, 14:7, 14:15, 14:16, 19:22, 20:21, 23:6, 23:13, 28:2, 31:6, 37:11, 39:17, 39:23, 40:12, 40:13, 49:9, 50:9  
**Ones** - 39:12, 45:9  
**Open** - 29:14, 34:3  
**Opened** - 51:21  
**Opening** - 51:19  
**Opens** - 34:3  
**Opinion** - 19:5, 19:6,

20:8, 20:14, 21:16, 22:3, 24:8, 25:16, 28:12, 32:20, 33:18, 50:25, 51:4, 51:9, 51:23, 51:25, 52:2, 52:3, 52:7  
**Opinions** - 17:3, 17:6, 18:22, 20:3, 31:16  
**Order** - 33:3  
**Ordered** - 33:22  
**Overruled** - 18:19  
**Own** - 10:17, 16:13

**P**

**Paid** - 30:21  
**Parallel** - 20:18, 20:22, 20:24, 25:12  
**Passed** - 5:7  
**Past** - 16:19, 16:22  
**Pathologist** - 3:14, 8:17, 17:14, 33:22  
**Pathology** - 4:15, 4:16, 8:4, 8:5, 8:13, 8:14, 9:8, 9:9, 16:22, 27:1  
**Patient** - 10:12  
**Patients** - 4:5, 8:16, 8:18, 10:14, 10:17, 10:24, 16:11  
**Patrol** - 12:21  
**Pattern** - 20:11, 25:4, 48:14, 50:23  
**Patterns** - 20:17, 20:20, 50:9  
**Peer** - 15:15, 15:19  
**People** - 12:22, 39:25, 47:4  
**Percent** - 41:14  
**Perfectly** - 26:7  
**Permissible** - 26:7  
**Permission** - 19:16, 52:10  
**Person** - 27:22, 31:6, 36:8, 39:23, 48:11  
**Person's** - 40:13  
**Pet** - 48:22  
**Phone** - 42:14, 42:17  
**Photo** - 52:11  
**Photograph** - 19:19, 42:23  
**Photographs** - 17:11, 19:22, 20:5, 40:22, 42:24, 43:1, 45:25, 46:5, 47:12  
**Photos** - 46:6  
**Physically** - 41:15  
**Physician** - 4:1, 4:2, 4:9, 8:12, 8:15, 9:23, 9:24, 10:23, 13:21, 14:11, 14:12  
**Physicians** - 12:9, 13:20  
**Picture** - 21:11  
**Pictures** - 17:9  
**Pig** - 49:6, 49:11  
**Place** - 12:20  
**Pointer** - 21:14

**Police** - 5:10, 5:11, 5:14, 5:15, 5:21, 5:24, 6:12, 24:22, 25:2, 33:8, 48:19  
**Population** - 39:2, 39:3, 39:7, 39:9  
**Portion** - 22:10  
**Position** - 3:16, 3:17, 14:12, 14:20, 14:21  
**Positions** - 14:17  
**Positive** - 14:5  
**Possibilities** - 46:16  
**Post** - 21:18  
**Posterior** - 21:19, 22:10, 44:8, 44:18  
**Power** - 50:12  
**Practice** - 16:14  
**Practices** - 12:8  
**Practitioners** - 13:20, 14:24  
**Premed** - 4:22, 5:3  
**Preparation** - 42:12  
**Present** - 3:2, 10:12, 18:16, 39:14, 45:23  
**Presented** - 39:12  
**Press** - 51:25  
**Prevent** - 12:6  
**Previously** - 24:1, 29:8  
**Prior** - 3:16, 42:13, 42:19  
**Prison** - 3:19, 14:18, 14:25, 15:1  
**Proceed** - 18:6, 26:14  
**Professional** - 16:10  
**Professor** - 9:5, 9:6, 9:11, 9:12, 9:17  
**Program** - 9:22, 11:24, 11:25, 12:12  
**Prohibited** - 33:6  
**Protect** - 21:21  
**Provide** - 13:19  
**Provided** - 14:24  
**Providers** - 13:20  
**Pseudo** - 33:7  
**Psychology** - 6:21, 6:22  
**Published** - 15:14, 15:15, 24:19, 37:19  
**Pulling** - 50:6, 50:7  
**Punctate** - 20:25, 21:14, 45:10  
**Puncture** - 21:1, 38:5, 50:5  
**Purchase** - 22:18  
**Pursuant** - 33:3

**Q**

**Qualified** - 16:18, 16:21  
**Qualifies** - 4:9  
**Qualify** - 33:21  
**Quality** - 11:20, 11:23, 11:25  
**Questioning** - 36:12

**Quick** - 20:1, 47:17  
**Quickly** - 19:20, 47:15  
**Quoting** - 37:7

**R**

**Range** - 5:23  
**Ranging** - 38:14  
**Rank** - 23:14  
**Rash** - 33:25  
**Rather** - 52:13  
**Reached** - 27:19, 27:20  
**Reaching** - 29:21  
**Reaction** - 41:25  
**Ready** - 3:5  
**Reason** - 11:23, 20:24, 37:25  
**Reasonable** - 25:16, 46:17, 50:25  
**Received** - 6:20  
**Recent** - 3:17  
**Recently** - 3:15  
**Recommendation** - 36:10  
**Reconstruction** - 33:8  
**Records** - 17:8, 17:10, 17:21, 18:1  
**Recross** - 52:9, 52:19  
**REDIRECT** - 48:1  
**Referred** - 13:18  
**Reflect** - 20:1  
**Reflects** - 20:4  
**Regards** - 28:15  
**Regular** - 13:16  
**Regulated** - 13:21  
**Reiterate** - 52:1  
**Relation** - 35:22  
**Relative** - 23:2  
**Relegated** - 25:7  
**Relevance** - 21:5  
**Reliable** - 36:2, 36:5, 36:21, 48:8  
**Remain** - 11:2  
**Render** - 28:12  
**Rendered** - 32:2  
**Reported** - 39:12  
**Reportedly** - 41:21  
**REPORTER** - 37:8  
**Reporting** - 36:25  
**Reports** - 17:15, 42:14, 42:22, 49:16  
**Representation** - 36:1  
**Research** - 15:16  
**Resided** - 29:2  
**Residencies** - 8:7, 9:9  
**Residency** - 4:3, 4:4, 4:14, 4:15, 7:7, 7:9, 7:10, 7:18, 7:19, 7:25, 8:1, 8:3, 8:12, 8:21, 8:22  
**Residents** - 16:14  
**Respect** - 43:3  
**Response** - 40:10

**Responsibilities** - 9:17  
**Responsive** - 40:7  
**Result** - 34:15  
**Results** - 36:25, 43:4  
**Retired** - 3:15  
**Retirement** - 3:16, 3:17, 14:1  
**Returned** - 5:7  
**Reviewing** - 43:18, 46:13, 47:13  
**Richard** - 53:13  
**Ripping** - 50:8  
**Risk** - 38:19  
**Road** - 29:2, 33:25, 45:14  
**Role** - 9:18  
**Room** - 3:14, 4:6, 12:9, 39:13, 39:14  
**Round** - 21:3, 21:15, 45:10  
**Rules** - 32:17  
**RUSSELL** - 3:4, 3:10, 3:12, 3:20, 40:11

## S

**Sample** - 36:24  
**Saw** - 20:2, 20:4, 29:23, 29:25, 30:3, 30:16, 31:11, 39:2, 39:4, 42:23, 42:24, 42:25, 46:4, 46:6, 48:18, 50:24, 51:5  
**School** - 4:12, 4:13, 5:9, 5:25, 6:25, 7:1  
**Science** - 6:20, 15:10, 34:12, 34:19, 35:1, 36:2  
**Sciences'** - 35:21  
**Scientific** - 36:12, 49:10, 50:25  
**Scope** - 24:4, 52:5  
**Scratch** - 41:4, 45:5  
**Scratched** - 39:25  
**Scratches** - 15:17, 16:13, 34:1, 46:19  
**Scratching** - 50:6  
**Second** - 8:1, 8:3, 8:21, 8:22, 20:1  
**See** - 10:13, 12:2, 17:12, 25:5, 25:7, 29:17, 34:22, 35:7, 45:21, 47:15, 50:9  
**Seeing** - 10:11, 22:10, 31:12  
**Seen** - 16:11, 19:20, 22:17, 30:19, 46:21, 47:4, 47:10, 48:15, 50:20  
**Sees** - 23:21  
**Seminars** - 4:18  
**Sent** - 24:1, 28:14, 29:7, 29:13, 43:7, 43:21, 43:22, 49:4  
**Separate** - 9:15, 9:17  
**Series** - 21:12, 49:15

**Services** - 12:15, 13:6  
**Session** - 3:1, 18:15  
**Set** - 20:21, 20:22, 53:5  
**Sets** - 44:9  
**Seven** - 5:19, 13:15, 39:21  
**Several** - 18:21, 48:17  
**Severe** - 38:7  
**Sharp** - 47:5  
**Sheridan** - 17:14, 28:24  
**Sheridan's** - 31:22  
**Sheriffs** - 12:21  
**She's** - 23:14, 23:16, 23:17, 23:19, 24:10, 32:19, 34:2, 51:25, 52:1  
**Shifts** - 10:20  
**Shortly** - 28:14  
**Show** - 19:19, 35:9, 35:15  
**Sick** - 4:5  
**Side** - 9:6, 9:7, 39:23, 40:12  
**Sidebar** - 17:19, 18:7, 23:10, 24:23, 26:1, 26:13, 32:13, 34:8, 34:22, 34:24, 35:17, 51:15, 52:25  
**Simple** - 24:16  
**Situated** - 22:9  
**Situation** - 50:17  
**Six** - 27:17, 30:17, 31:4, 31:9  
**Sixteen** - 4:11  
**Size** - 7:22  
**Skew** - 39:7, 39:9, 39:10  
**Skewed** - 39:2, 39:3  
**Skin** - 47:5, 50:4, 50:6, 50:7, 50:11  
**Small** - 21:15, 45:10  
**Smaller** - 24:4  
**Solid** - 22:18  
**Sound** - 15:24  
**Southern** - 7:12, 7:15  
**Speaker** - 37:11  
**Specialist** - 4:2  
**Specialized** - 6:3  
**Specialty** - 47:16  
**Specific** - 15:15, 17:4, 35:24, 36:9, 37:2  
**Specifics** - 6:10, 25:2  
**Spectrum** - 8:16, 38:1, 38:4  
**Speculation** - 23:15  
**Spell** - 3:11  
**Spoken** - 23:23  
**Start** - 4:19, 4:20, 40:4  
**Starting** - 4:7, 4:9  
**State** - 3:11, 3:18, 3:19, 9:12, 9:13, 13:11, 13:13, 13:22, 14:3, 14:18, 16:24  
**Status** - 15:7  
**Stay** - 24:21, 33:22

**Stop** - 14:11  
**Strictly** - 34:2  
**Strike** - 6:5, 6:6, 22:14, 22:15  
**Strong** - 16:7, 16:8  
**Struck** - 33:25  
**Stuck** - 49:21  
**Students** - 10:10  
**Studied** - 48:18  
**Study** - 16:5, 39:3, 39:7, 39:9  
**Subprograms** - 11:10  
**Subscription** - 30:9, 30:15, 30:17, 31:1, 31:9, 31:10  
**Subsequent** - 5:4  
**Subsequently** - 5:7, 5:10, 26:6  
**Subspecialty** - 7:19, 8:3  
**Substandard** - 13:18  
**Substantive** - 24:2  
**Suffered** - 17:3  
**Summary** - 36:19, 39:20  
**Superficial** - 21:14  
**Supervised** - 16:14  
**Supervising** - 10:4  
**Supervision** - 8:25  
**Supervisor** - 9:10, 10:2, 14:23  
**Support** - 11:13, 11:15, 11:16, 11:17  
**Supposedly** - 41:16  
**Surface** - 21:18, 21:19  
**Surgeons** - 11:16, 12:10  
**Surgical** - 38:11  
**Sustain** - 21:20  
**Sustained** - 19:15, 20:9, 20:10, 21:24, 32:1, 32:10, 40:19, 41:21, 49:14, 50:19, 51:3, 51:7, 51:12  
**Swabbings** - 43:7, 43:11, 43:19  
**Swabs** - 49:4  
**Sworn** - 3:4, 5:16  
**System** - 12:18, 12:24, 13:3, 13:6, 14:25, 15:1  
**Systemic** - 12:5

## T

**Taillight** - 34:1  
**Taking** - 4:5  
**Teach** - 11:16, 12:3, 12:5  
**Teaching** - 9:20, 10:8, 10:10, 10:16, 11:14, 12:5, 12:8  
**Tears** - 43:12  
**Technical** - 29:9, 29:15, 29:16  
**Technique** - 37:23  
**Teeth** - 20:19, 20:20,

20:23, 21:16, 22:4, 44:5, 44:6, 44:9, 44:11, 45:12  
**Ten** - 18:9  
**Tenure** - 11:9  
**Terms** - 27:5  
**Testimony** - 17:13, 23:24, 26:4, 30:25, 31:7, 33:4, 33:11, 40:11, 42:11, 42:12, 44:5, 46:13, 47:8  
**Tether** - 12:17  
**Text** - 28:7  
**There's** - 3:24, 20:15, 20:17, 20:18, 20:19, 20:25, 21:12, 29:18, 44:13, 50:5, 50:6, 50:8  
**These** - 17:21, 20:9, 20:10, 21:17, 25:17, 29:15, 36:24, 41:12, 41:21, 49:21  
**Thickness** - 50:10  
**Thousand** - 16:16, 48:15, 50:20  
**Thousands** - 46:21, 47:4  
**Times** - 48:15  
**Tissue** - 38:9  
**Tissues** - 50:8  
**Title** - 13:22, 13:24, 13:25  
**Today** - 18:3, 24:4, 25:15, 27:8, 28:13, 31:17, 42:13, 42:20  
**Took** - 4:21, 5:3, 6:3  
**Tooth** - 21:4  
**Top** - 22:4, 22:8, 44:5, 44:7, 44:11  
**Torso** - 41:7, 44:23  
**Total** - 9:23, 10:1  
**Totality** - 52:2  
**Touch** - 27:22  
**Town** - 17:15  
**Toxicological** - 18:23  
**Trained** - 47:15, 47:21, 48:18, 48:19  
**Training** - 4:8, 6:4, 6:13, 10:2, 11:14, 33:8, 50:13  
**Trauma** - 7:21, 7:23, 11:16, 12:9  
**Treated** - 4:17, 12:2, 16:12  
**Treating** - 10:17  
**Treats** - 8:15, 8:18  
**Trends** - 16:3  
**Trial** - 27:17, 27:18  
**Troubled** - 32:15  
**Tuesday** - 42:13, 42:19, 42:20  
**Twelve** - 31:9  
**Twenty** - 10:1  
**Two** - 4:15, 4:16, 8:4, 8:7, 8:24, 9:2, 17:22, 17:25, 29:4

**U**

**UC** - 18:1, 19:11, 28:25, 31:21, 42:22, 43:3, 43:8, 43:24, 49:3  
**Ultimate** - 51:4, 51:20  
**Umass** - 7:2  
**Underlying** - 50:7  
**Understood** - 8:23, 13:8  
**Unfamiliar** - 35:25  
**Unique** - 38:1  
**Unit** - 13:16  
**United** - 7:24  
**University** - 6:19, 6:25, 7:11, 7:15, 9:7, 9:15  
**Upper** - 20:18, 21:15, 45:11  
**USC** - 7:20, 7:22, 9:24, 11:13, 14:8, 17:25

**V**

**Value** - 36:12  
**Variety** - 50:4, 50:8  
**Vehicle** - 32:20, 33:7, 33:12, 33:25  
**Verbal** - 28:6  
**Versus** - 23:20, 45:5  
**Victim** - 23:2, 33:13, 50:11  
**Victims** - 39:18  
**Violations** - 38:14  
**Voice** - 3:10, 3:21, 3:25, 27:11  
**Voir** - 23:21, 23:23, 24:6  
**Volume** - 7:22

**W**

**Wait** - 40:4, 44:9  
**Ward** - 12:19  
**Warned** - 32:16  
**Wasn't** - 29:20, 30:25  
**Week** - 14:15  
**Weekly** - 11:4  
**Weeks** - 27:17  
**We'll** - 18:6  
**We're** - 18:6, 18:8, 22:10  
**Weren't** - 37:5  
**We've** - 25:15  
**What's** - 8:10, 8:11, 23:11, 35:4, 51:16  
**Where'd** - 4:19, 4:20  
**Whole** - 29:17  
**Wide** - 8:17, 50:4  
**Will** - 11:24, 53:8  
**WITNESS** - 3:23, 26:3, 27:12, 27:14, 31:8, 37:9, 40:5, 41:19, 47:1, 53:6, 53:7  
**Word** - 23:7  
**Words** - 10:23, 22:7, 50:14

**Work** - 5:20, 8:24, 13:13, 34:15, 48:12  
**Worked** - 5:21, 9:9, 13:15, 27:3, 27:20  
**Working** - 14:11  
**Worst** - 39:4  
**Wouldn't** - 47:10  
**Wound** - 43:16  
**Wounded** - 46:21  
**Wounds** - 16:6, 16:7, 16:22, 20:2, 21:9, 21:17, 21:21, 22:2, 22:17, 38:5, 38:11, 38:19, 44:10, 49:20, 50:5, 50:9, 50:14  
**Write** - 31:16, 31:23, 32:5  
**Writing** - 37:25  
**Written** - 37:15

**Y**

**YANETTI** - 53:13  
**Year** - 4:21, 4:24, 5:4, 15:22, 27:15, 30:17, 31:1  
**Years** - 4:11, 4:13, 4:15, 4:16, 5:19, 5:22, 7:9, 8:4, 8:5, 8:24, 10:1, 10:3, 10:22, 12:19, 13:15, 14:2, 14:5, 14:20, 33:9  
**York** - 5:6  
**You're** - 3:5, 13:8, 26:20, 26:23, 34:12, 34:18, 35:18, 35:25, 36:11, 36:23, 36:25, 37:4, 37:7, 46:20  
**You've** - 16:11, 18:21, 20:7, 28:13, 29:4, 31:17, 31:21, 47:9, 48:15, 49:15

'

'73 - 4:25

**1**

**100** - 41:14  
**17** - 27:9, 27:14, 27:15, 27:25, 42:19, 47:13  
**17th** - 28:1, 28:2, 28:10  
**18** - 31:1  
**18th** - 28:1, 28:2, 28:10  
**19** - 19:17  
**1972** - 4:25  
**1977** - 5:23  
**1983** - 7:1  
**1984** - 5:23  
**1987** - 7:1, 7:10  
**1990s** - 15:23, 15:24, 37:20  
**1991** - 7:10  
**1995** - 27:5  
**1996** - 15:24

**2**

**2000s** - 11:21  
**2008** - 34:16, 34:19, 35:21  
**2009** - 14:4  
**2016** - 14:4  
**2018** - 14:22  
**2023** - 14:22  
**2024** - 27:14, 27:16, 30:13, 31:13, 47:13  
**25** - 10:3  
**29** - 10:3, 10:22

**3**

**30** - 33:9  
**34** - 29:2, 45:14

**5**

**500** - 16:15

**7**

**70** - 12:19  
**700** - 39:20

**9**

**9s** - 24:22, 25:2, 48:19